



# Clint Smith

Software Engineer

## Profile

I'm a software engineer passionate about solving meaningful problems and delivering high-quality, maintainable solutions. As an individual contributor, I thrive in roles that focus on technical problem-solving and detailed challenges while collaborating with teammates to achieve shared goals.

I'm at my best in environments with clear priorities and well-defined objectives, where I can dive deep into technical work and contribute tangible results. I enjoy mentoring team members, sharing expertise, and delivering thoughtful, well-executed solutions that make a measurable impact.

My ideal workplace is collaborative, supportive, and focused on meaningful work. I value strong leadership, teamwork without ego, and opportunities to concentrate on the aspects of engineering I love most.

LinkedIn: <https://www.linkedin.com/in/clintsmithmaui/>

## Address

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## Email

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## Skills

Python  
Django  
Django Rest Framework  
Go (Programming Language)  
Backend Development  
Celery  
Microservices Architecture  
Temporal  
Postgresql  
Git

## Employment History

### Sr. Backend Engineer at Included Health

October 2017 — November 2024

Note: I was an original employee of Doctor On Demand. We merged with Grand Rounds and rebranded as Included Health

#### Practice Management Engineering Team

Worked on the Practice Management engineering team to transition from legacy technology to a modern, microservice-oriented architecture. This project replaced an outdated in-house EHR with a third-party system, enabling integration and greater flexibility for future innovation.

- Designed and built Golang microservices to support core functionalities, such as appointment booking and patient creation.
- Developed Temporal workflows to handle complex integrations with the new EHR system.
- Implemented RPC endpoints for internal service-to-service communication, including modules for Appointments, Shift Management, and Practitioner Management.
- Created monitoring tools, including metrics and dashboards, to ensure system performance and reliability.

### **Clinical Engineering Team (at Doctor On Demand)**

Over six years, played a key role in enhancing provider experience and patient outcomes by collaborating with product designers and engineers on the Clinical Engineering team. Built tools using Python, Django, and Django Rest Framework to empower providers in delivering optimal care.

- Integrated member health summaries into the system for patient prep using Python and Celery.
- Upgraded email systems from SendGrid to ExactTarget. Autocoded member medications and allergies using Python and Celery tasks.
- Serialized clinical data snapshots to the database on chart sign-off using Django Rest Framework serializers.
- Built a full-stack Provider Payment Report Generation tool using Python/Django, HTML/CSS, JavaScript, and S3 Storage.
- Delivered numerous updates to Lab Order handling, including partial reports and autorelease functionality.

### **System Stability and Mentorship**

- Ensured system stability through on-call rotations, bug fixes, and delivering high-quality, well-tested Python and Go code.
- Supported junior engineers by providing guidance and sharing knowledge to foster their professional growth.

## **Software Engineer at Business Information Technology Solutions (BITS), LLC**

October 2015 — October 2017

### **Subsequent Military Health Contracts**

Surveyed and documented current innovation barriers in the Defense Health Agency. Alongside a small team, designed and implemented a prototype web application to reduce the startup overhead often associated with new development teams.

### **Prototype Microservices Implementation**

Implemented prototype microservices, utilizing Python and Falcon Framework. These microservices facilitated the integration of legacy clinical data and medical device data with modern FHIR Server based EHR systems like MHS Genesis and Cerner Millennium.

## **Software Engineer at THAOINC**

October 2014 — September 2015

In the capacity of Software Engineer at THAOINC, the primary focus was on the Optimal Vision Care Prototype (OVCP). Collaborating with healthcare professionals led to significant improvements in the prototype design. The implementation of a structured data entry control streamlined data handling and enhanced user experience.

- Worked closely with physicians to refine design methodologies based on user feedback.
- Introduced a structured input mechanism that improved data entry efficiency and accuracy.
- Facilitated usability testing, leading to a remarkable 66% improvement in user satisfaction scores.

## Software Developer at HNu Photonics

June 2012 — October 2014

**Investor Engagement:** Improved investor appeal for acquired microfluidics technology by enhancing legacy C# code, adding features, and optimizing functionality to showcase its potential.

**Technology Design Enhancement:** Collaborated with scientists and engineers to identify and address design limitations in microfluidics technology through experimentation.

**Software Development Practices:** Established structured software development methodologies to boost efficiency and productivity within the company.

For further work history see [clintsmith.pro](http://clintsmith.pro)

## Education

### Regis University at Denver, CO

January 2016 — January 2018

#### Continuing Education in Computer Science

Completed extensive coursework in computer science, including programming, algorithms, data structures, and software development. Focused on building a strong foundation in core concepts and practical applications.

### Texas State Technical College at Waco, TX

Associate's Degree

January 1994 — December 1996

#### Laser Electro-Optics

Specialized in the principles and applications of lasers, optics, and electro-optical systems. Gained hands-on experience in laser alignment, optical systems, and advanced technologies used in industrial and research settings.